

10/521086  
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Signed: Deborah Cameron  
Deborah Cameron

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:  <b>Frederick Marcel Van Der Vliet</b>  Application No.: <b>10/521,086</b>  Filed: <b>13 January 2005</b>  Title: <b>INTEGRATED OPTICAL SPLITTER WITH TAPERED MULTIMODE INTERFERENCE WAVEGUIDE</b>	Attorney Docket No.: <b>GEML 4793-3</b>  Examiner: <b>Not assigned</b>  Group: <b>Not assigned</b>  Confirmation No.: <b>Not assigned</b>  Customer No. <b>54413</b>
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**INFORMATION DISCLOSURE STATEMENT**

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Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO/SB/08A. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. If, however, this application was filed after June 30, 2003, copies of U. S. Patents and U. S. Patent Application Publications are not enclosed. (See O. G. Notice of August 5, 2003.)

This statement should be considered under 37 C.F.R. 1.97(b) because it is being filed before the mailing date of the first Office Action on the merits.

**Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (GEML 4793-3 ). A duplicate copy of this authorization is enclosed.

Respectfully submitted,  
Haynes Beffel & Wolfeld LLP

Date: 1/4/2006

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PTO/SB/08A (08-00)  
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>		
<b>Application Number</b>		10/521,086				
<b>Filing Date</b>		13 January 2005				
<b>First Named Inventor</b>		Frederick Marcel van der Vliet				
<b>Group Art Unit</b>		not assigned				
<b>Examiner Name</b>		not assigned				
<b>Attorney Docket Number</b>		GEML 4793-3				
<b>Sheet</b>	1	of	2			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	6,236,784		Ido	05/22/2001	
	A2	2002/0114572	A1	Bouda	08/22/2002	
	A3					
	A4					
	A5					
	A6					
	A7					
	A8					
	A9					
	A10					
	A11					
	A12					
	A13					
	A14					
	A15					
	A16					
	A17					
	A18					
	A19					
	A20					

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	B1		DE 101 21 007	A1	Metzler, Johann-Peter	11/14/2002		
	B2		GB 2 368 131	A	Walker, Robert Graham	04/24/2002		
	B3		EP 0 811 860	A2	Li, Yuan P.	12/10/1997		
	B4							
	B5							
	B6							
	B7							
	B8							
	B9							
	B10							

<b>Examiner Signature</b>		<b>Date Considered</b>	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/521,086
				Filing Date	13 January 2005
				First Named Inventor	Frederick Marcel van der Vliet
				Group Art Unit	not assigned
				Examiner Name	not assigned
Sheet	2	of	2	Attorney Docket Number	GEML 4793-3

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		LORENZO ET AL: "Improved Self-Imaging Characteristics in 1 x N Multimode Couplers", IEEE Proceedings: Optoelectronics, Institution of Electrical Engineers, Stevenage, GB, Vol. 145, no. 1, February 1998 (1998-02-20), pages 65-69, ISSN: 1350-2433 figure 1	
		KEH-YI LEE ET AL: "New Type of 1 x 3 MMI Optical Power Dividers with Reverse Taper Section", Journal of Optical Communications, 24 (2003) 1, 31-34, XP009019114, figure 1	
		KRUEGER ET AL: "Design and Realisation of a Novel Polymer-based Singlemode Integrated-Optical Beam Splitter", MOEMS & Miniaturized Systems, Santa Clara, CA USA, 18-20 Sept. 2000 Vol. 4178, pgs. 77-87, XP-002257830, Proceedings of SPIE - The International Society for Optical Engr., 2000, SPIE-Int. Soc. Opt. Eng. USA ISSN: 0277-786X	
		ZIRNGIBL: "Efficient 1 x 16 Optical Power Splitter Based on InP", Electronics Letters 18th June 1992, Vol. 28 No. 13, pages 1212-1213, XP000301390, ISSN: 0013-5194, figure 1	

Examiner Signature		Date Considered	
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